

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2803	Press
B.P. No.		Mis.
Dated	20-10-	1876
		195-

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
20th October 1876. No. 2,809.*

No. 308. Read the following Circular from the Under Secretary to the Government of India, Public Works Department, (Railway,) to the Governments of Madras and Bombay, in the Public Works Department, Railway; the Chief Commissioners of the Central Provinces and British Burmah; the Resident at Hyderabad; the Consulting Engineers to the Government of India for Guaranteed Railways, Calcutta, Lahore, and Lucknow, dated Simla, 22nd September 1876, No. 19 R. :—

In continuation of Circular No. 18 R., dated the 30th August 1876, the undersigned is directed to forward, for information and guidance, a type-drawing of cattle guards at village roads and cattle paths proposed for use on the Scindia State Railway, 5 feet 6 inches, G. C. No. 13, prepared by the Consulting Engineer to the Government of India for State Railways.

(Signed) W. C. FURNIVALL,
Under Secretary.

No. 309. ORDER THEREON, 20th October 1876, No. 2,809.

RAILWAY, No. 24-A.

COMMUNICATED to the Consulting
Engineer for Railways.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.

Exd. A. Robert.
Spare Copies

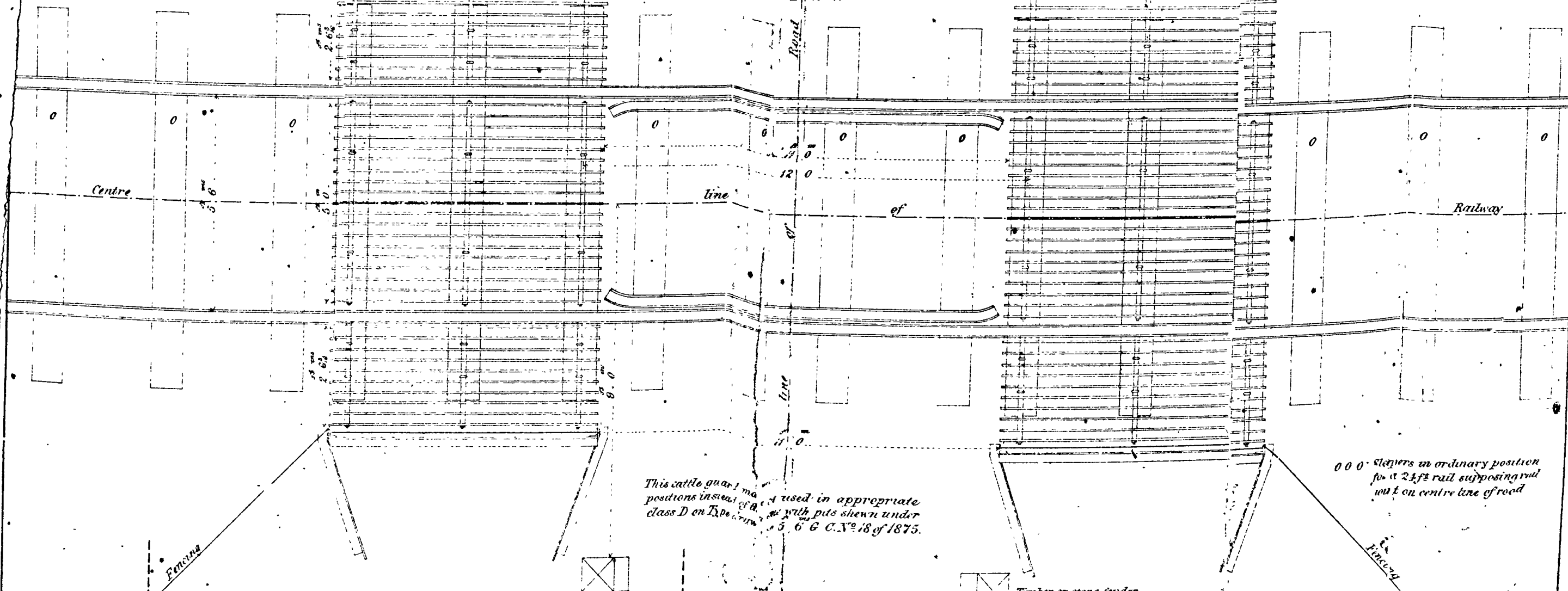
INDIAN, STATE, RAILWAYS.
5 FT 6 IN. GAUGE

CATTLE GUARDS AT VILLAGE ROADS AND CATTLE PATHS.
PROPOSED FOR USE, IN THE SINDIA, STATE, RAILWAY.

TYPE DRAWING
5 6 G.C. N° 13

Gulford L. Molesworth
May 22nd 1876

PLAN



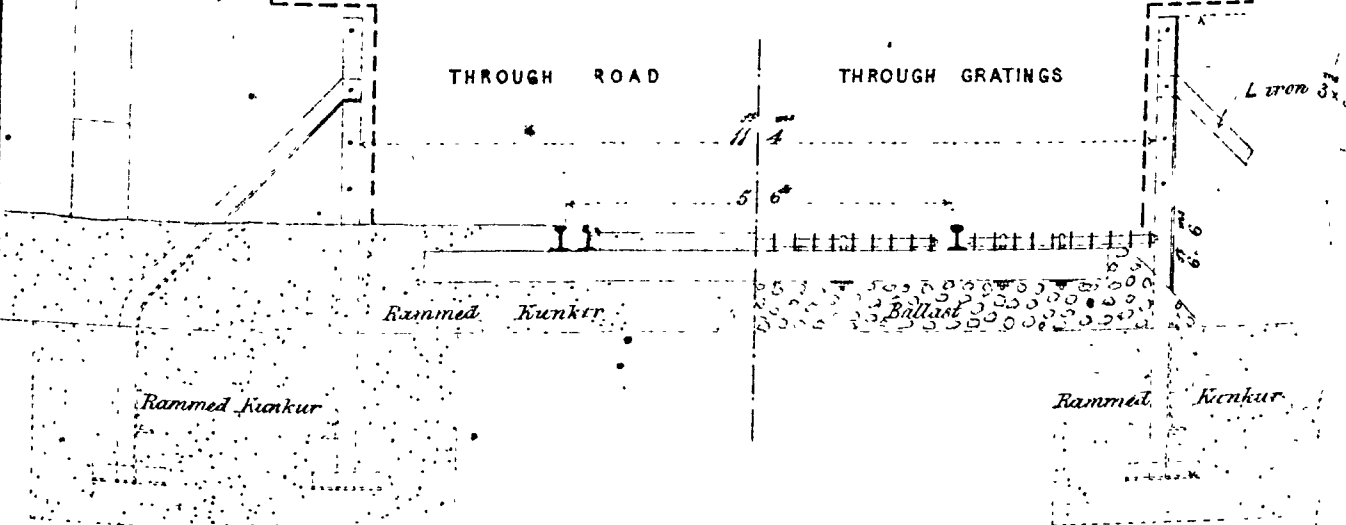
This cattle guard is used in appropriate positions instead of class D on Type 18 of 1875.

0 0 0 sleepers in ordinary position for a 2 1/2 ft rail supporting rail on centre line of road

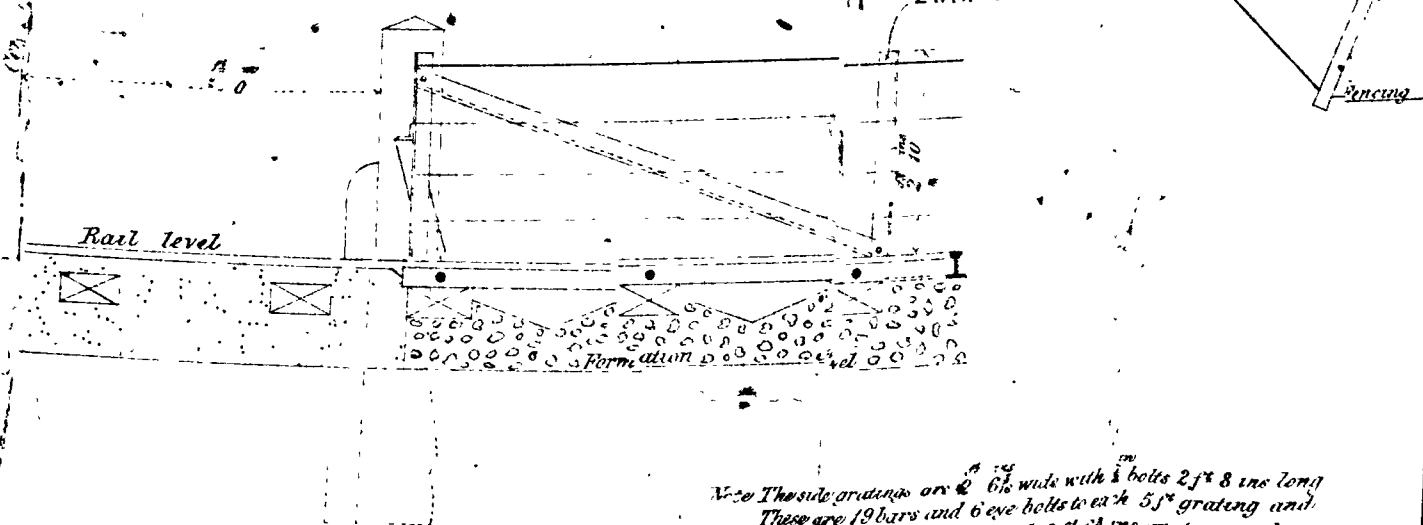
HALF CROSS SECTIONS

THROUGH ROAD

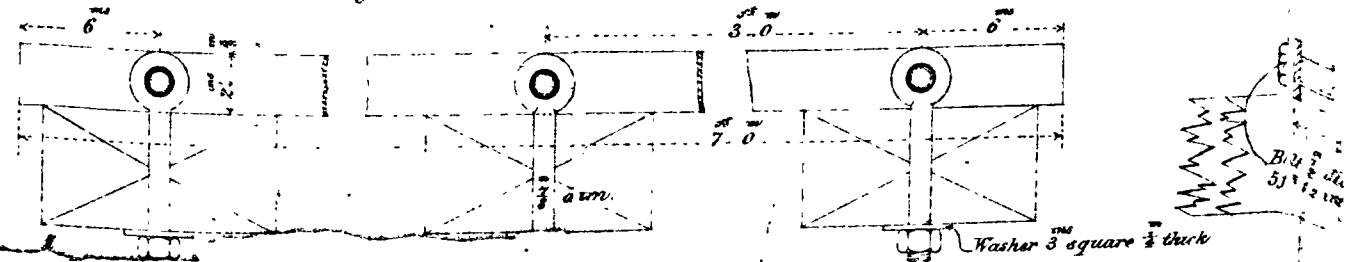
THROUGH GRATINGS



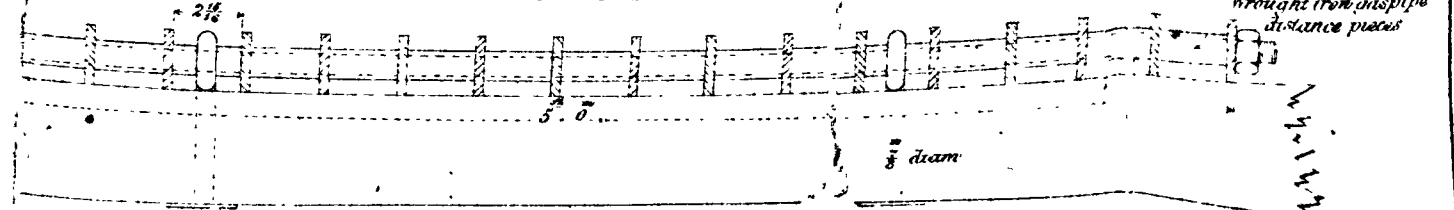
SECTION ON CENTRE LINE OF RAILWAY



SECTION THROUGH GRATING
showing elevation of eye bar and of eye bolts



SECTION THROUGH 5 FT GRATING



Note: These gratings are 2 1/2 ft wide with 1/2 bolts 2 ft 8 ins long. These are 19 bars and 6 eye bolts to each 5 ft grating and 10 bars and 6 eye bolts to each 2 ft 6 ins grating, making 78 bars and 36 eye bolts for one crossing 18 1/2 ft. Estimated weight of gratings and bolts for one crossing 18 1/2 ft.

2529-9-76 ho 159 c. q. l.

P.W.D.

160076

5450

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY.

To

The Governments of Madras and Bombay, in
the Public Works Department (Railway).

The Chief Commissioners of the Central
Provinces and British Burmah.

The Resident at Hyderabad.

The Consulting Engineers to the Government
of India for Guaranteed Railways, Calcutta,
Lahore, and Lucknow.

E-N

Circular No. 19 Railway.

Dated SIMLA, September 22, 1876.

Received

No 2809 d/ 20 Oct 1876

Communicated to
the Consulting Engineer
for Railways.

W.L.
19.10.76

No 308/9

Copy with 18 copies
of Type drawing.

Forwards a type-drawing of cattle guards at
village roads and cattle paths proposed for use
on the Scindia State Railway.

74. 3 (M)
Govt. of 1876 Madras.

PUBLIC WORKS.

To The Civil Eng^r for the

Dated

Issued

Recd.

Encl.

G. O., 20th October 1876, No 2809

Nos.

Type-drawings of Cattle
stalls at Villages
Roads & Cattle paths
proposed for use in the
Coimbatore State R.

Circular from
the Govt of India
forwarding a —

Copy to the Comd^r
Dr. P.

Conf. in Regⁿ
28-10-76
J. P. S.